

539,847

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



20 JUN 2005



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056983 A2

(51) International Patent Classification⁷: C12N 9/00

(21) International Application Number: PCT/GB2003/005664

(22) International Filing Date: 23 December 2003 (23.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0230006.9 23 December 2002 (23.12.2002) GB

(71) Applicant (for all designated States except US): ARES TRADING S.A. [CH/CH]; Château de Vaumarcus, CH-2028 VAUMARCUS (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FAGAN, Richard, Joseph [US/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). PHELPS, Christopher, Benjamin [GB/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). POWER, Christine [GB/FR]; 10, rue des Jonquilles, F-01710 Thoiry (FR). MITTER, Richard, James [GB/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). BOSCHERT, Ursula [DE/CH]; Ares Trading S.A., Chateau de Vaumarcus, CH-2028 Vaumarcus (CH). CHVATCHKO, Yolande [CH/CH]; Ares Trading S.A., Chateau de Vaumarcus, CH-2028 Vaumarcus (CH).

(74) Agents: GOODFELLOW, Hugh, Robin et al.; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

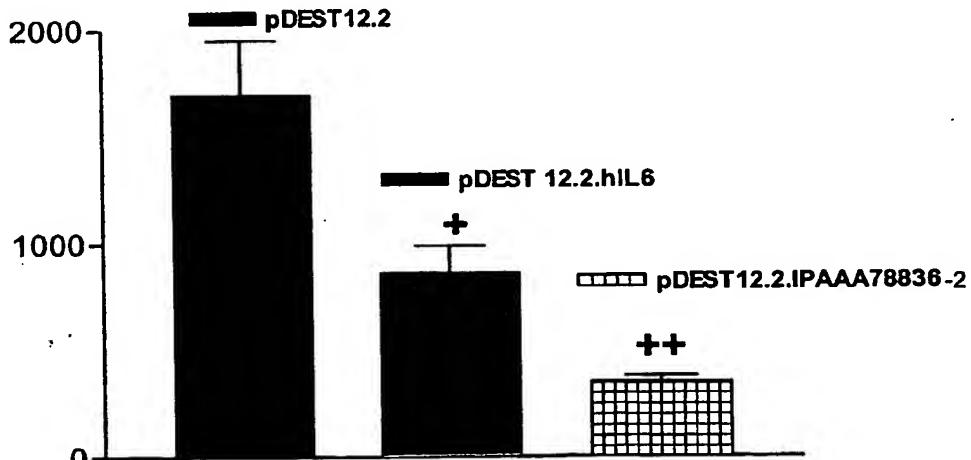
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: METALLOPROTEASE PROTEINS

TNF (1h30)



WO 2004/056983 A2

(57) **Abstract:** This invention relates to novel proteins, termed INSPOO5a and INSPOO5b, herein identified as secreted proteins, in particular members of the metalloprotease family and to the use of these proteins and nucleic acid sequences from the encoding genes in the diagnosis, prevention and treatment of disease.